

Converting Colors

CIELCh(50, 107.598, 322.931)

Have a look what the booklet for
CIELCh(50, 107.598, 322.931)
contains.

CIELCh(50, 107.763, 322.951)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(50, 107.763, 322.951)

Conversions

Conversions Part 1

Format	Color
Hex	C90AE8
RGB	201, 10, 232
RGB Percent	79%, 4%, 91%
CMY	0.2127, 0.9602, 0.0911
CMYK	0.13, 0.96, 0.00, 0.09
HSL	292°, 92%, 47%
HSV	292°, 96%, 91%
XYZ	38.6687, 18.4187, 77.6945
YIQ	92.4170, 42.5740, 109.5340

Conversions

Conversions Part 2

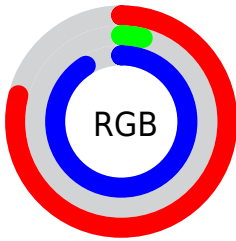
Format	Color
R_{YB}	201, 10, 232
Decimal	13175528
CIE _{Lab}	50.00, 86.01, -64.93
CIE _{LCh}	50, 107.763, 322.951
Yxy	18.4187, 0.2869, 0.1367
Android (android.graphics.Color)	4291365608 (0xFFC90AE8)
YUV	92.4170, 68.8144, 95.2273
Hunter-Lab	42.9170, 85.7262, -77.2934

Details

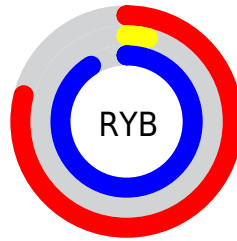
The CIELCh color **50, 107.763, 322.951** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **81, 109.219, 135.291**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 93.125, 327.551**, and **36, 88.717, 320.933** is the 20% darker color. If you saturate the color by 10%, you get **50, 108.725, 322.792**, and if you desaturate by 10%, it is **52, 104.187, 323.223**.

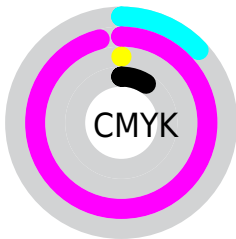
Distribution



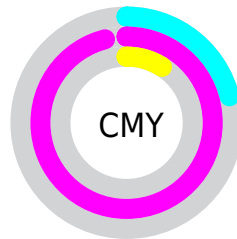
- Red (79%)
- Green (4%)
- Blue (91%)



- Red (79%)
- Yellow (4%)
- Blue (91%)



- Cyan (13%)
- Magenta (96%)
- Yellow (0%)
- Black (9%)





- Cyan (21%)
- Magenta (96%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 107.763, 322.951 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 107.763, 322.951 by changing the saturation by 10% instead.


 50, 107.763,
322.951


 50, 107.763,
322.951


 100, 107.763,
322.951


 40, 107.763,
322.951


 70, 107.763,
322.951


 30, 107.763,
322.951

 80, 107.763,
322.951

 20, 107.763,
322.951

 90, 107.763,
322.951

 10, 107.763,
322.951


 0, 107.763,
322.951


 50, 107.763,


 50, 107.763,

322.951


322.951


 50, 108.725,
322.792


 52, 104.187,
323.223


 54, 97.722,
323.301

 57, 88.581,
323.206

 61, 77.292,
322.971

 66, 64.485,
322.632

 71, 50.740,
322.223

 77, 36.523,
321.771

 83, 22.174,
321.298

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 107.763, 322.951



81, 109.219, 135.291

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 107.763, 322.951



50, 107.763, 12.951



50, 107.763, 142.951



50, 107.763, 192.951

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 107.761, 322.951



82, 44.682, 321.934



33, 111.551, 303.323



41, 30.646, 322.127



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 107.761, 322.951



54, 116.878, 322.765



51, 83.044, 348.056



45, 7.962, 321.000



38, 89.398, 322.880



7, 37.211, 323.592

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49, 87.914, 32.331



53, 97.775, 34.602



81, 93.333, 143.340



45, 4.889, 8.711



37, 73.892, 33.453



6, 26.743, 15.945

Previews

White Background



This preview shows how the CIELCh color 50, 107.763, 322.951 looks on a white background.

Color Contrast Check

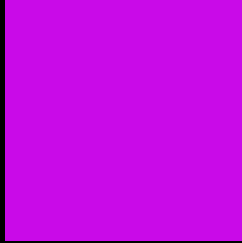
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 107.763, 322.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

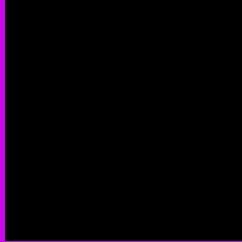
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 107.763, 322.951

Background



This preview shows how black text looks on a background with the CIELCh color 50, 107.763, 322.951.



This preview shows how white text looks on a background with the CIELCh color 50, 107.763, 322.951.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50, 107.852, 322.958

Protanopia

51, 74.664, 287.206

Deuteranopia

51, 56.360, 277.479



Tritanopia
50, 40.137, 19.547

Trichromacy



Original Color
50, 107.852, 322.958



Protanomaly
43, 95.150, 300.944



Deuteranomaly
42, 83.703, 299.494



Tritanomaly
47, 62.270, 341.560

Monochromacy



Original Color
50, 107.852, 322.958



Achromatopsia
39, 0.006, 296.813



Achromatomaly
38, 53.250, 323.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 107.763, 322.951 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(201, 10, 232)` looks like.

```
.text, #text, p{  
    color:rgb(201, 10, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(201, 10, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 10, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 107.763, 322.951 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 10, 232) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(201, 10, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(201, 10, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 10, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 10, 232);  
box-shadow:4px 4px 4px 4px rgb(201, 10,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 107.763, 322.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 10, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(201, 10,  
232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor